

## SLIDER WITH RECESSED PRESSURIZATION SURFACES

### ABSTRACT OF THE DISCLOSURE

One embodiment of the present invention pertains to a slider that includes  
5 an aerodynamic surface which includes a first bearing surface, a cavity floor, and  
a first recessed pressurization surface. The first bearing surface is disposed on the  
aerodynamic surface, defining a bearing height. The cavity floor is disposed on  
the aerodynamic surface at a cavity depth below the bearing height. The first  
recessed pressurization surface is adapted to provide above-ambient fluid  
10 pressure when the slider is in nominal flight, which is greater than fluid pressure  
provided elsewhere on a trailing half of the aerodynamic surface at a substantial  
displacement from a longitudinal centerline of the aerodynamic surface. The first  
recessed pressurization surface is disposed on the aerodynamic surface at a  
recessed depth which is between the bearing height and the cavity depth.